

SANITARY SEWERS

TO BE CONSTRUCTED IN

PARCEL MAP NO. 13106
PRIVATE CONTRACT NO. 10019

W.S. 38-D, 4

2 SHEETS, 3 PAGES

50303

SCALE: VERT. 1" = 4' HORIZ. 1" = 40'

OCTOBER, 1981

PREPARED IN THE OFFICES OF

WILLIAMSON & SCHMID

17782 SKY PARK BLVD., IRVINE, CALIFORNIA 92714

BY: *James E. Kyle* REG. C.E. No. 24876

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE COUNTY ENGINEER SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:

LEGEND	5-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	5-2
BRICK MANHOLE	5-3
STANDARD MANHOLE STEP	5-4
ROOFING FOR SEWER PIPE	5-5
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LOCKING MANHOLE FRAMES AND COVERS	5-9
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SPECIAL SUPPORT AND PROTECTION	5-11

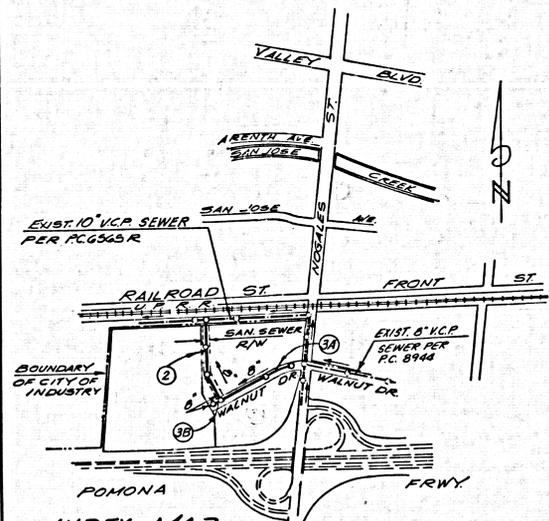
COUNTY OF LOS ANGELES, CALIFORNIA

STEPHEN J. KOONCE, COUNTY ENGINEER WALTER E. GARRISON, CHIEF ENGINEER

APPROVED: *John H. Miller* 10/20/81 APPROVED: *Walter E. Garrison* 10/20/81
SAN DIMAS REGIONAL ENGINEER STATE ENGINEER

CHECKED: *Salvador G. Lopez* 10/20/81 CITY OF INDUSTRY *John J. Padocki*
REG. C.E. NO. 33134 STATE ENGINEER APPROVED: *John J. Padocki*
LA PUENTE BLDG. DIST. 200 CITY ENGINEER

B.M. C9 2625 ELEV. 433.693
CITY OF INDUSTRY BR MON IN NW COR CONC
FRAME AROUND GAS VALVES 30 FT S/D &
RAILROAD ST. OPP. BLDG. NO. 18451 + 0.25 MI
E/D & INT. FULLERTON RD.
OTTERBEIN QUAD. 19.80



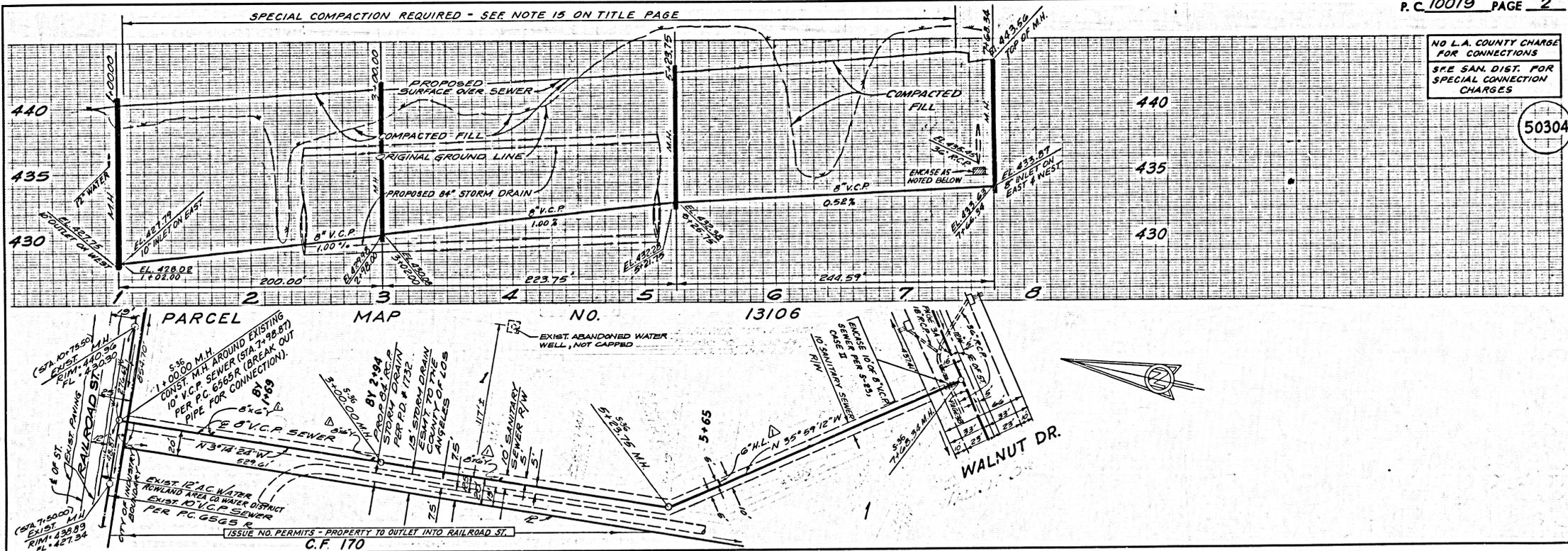
INDEX MAP
P.C. 10019 - PARCEL MAP NO. 13106
SCALE 1" = 600' NOTE: NUMBERS IN CIRCLES INDICATE PAGE NUMBERS.

NO CONSTRUCTION FOR THE DISPOSAL OF INDUSTRIAL WASTES
SHALL BE MADE TO BE MADE SHOW ON THESE DRAWINGS UNTIL
A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN
ISSUED BY THE SANITATION DISTRICTS FOR SAID CONNECTION.
BEFORE BREAKING INTO OR CONSTRUCTION ON A COUNTY
SANITATION DISTRICT SEWERAGE PERMIT TO FINAL
ACCEPTANCE OF THE PROJECT. SANITATION DISTRICT
INSPECTOR SHALL BE NOTIFIED BY PHONE - 942-8605
666-9994, SO THAT REQUIRED INSPECTION CAN BE MADE.

REVISION NO. 10 DATE 10-5-81
REVISED LOCATION OF 6" H.L. (FROM
STATION 3485.2 TO STA. 5766.2) ON
PAGE 2. ADDED & REVISED LOCATION
OF 8" V.C.P. TO STA. 4492.2, 2494.2,
AND 3494.2 ON PAGE 2.
APPROVED: *Salvador G. Lopez*
OFFICE OF COUNTY ENGINEER

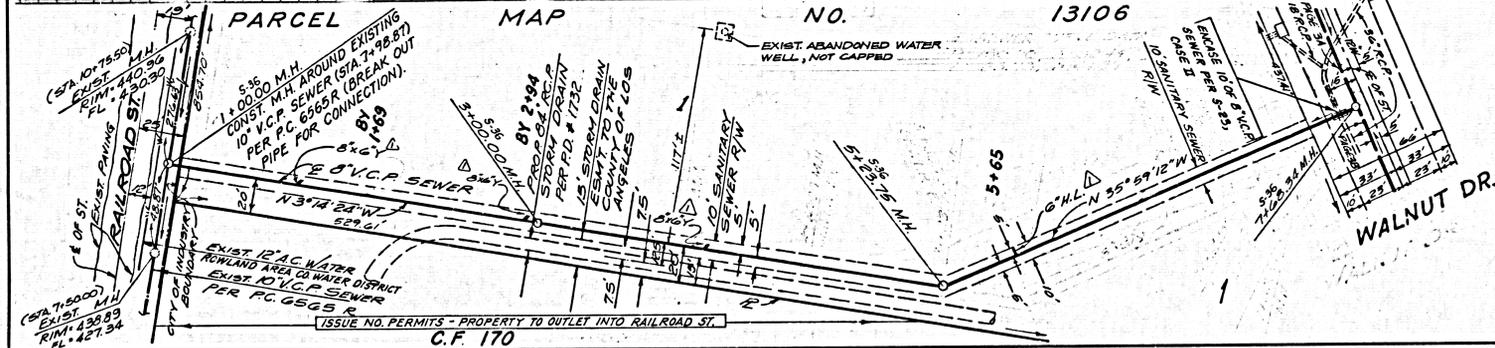
- GENERAL NOTES:**
1. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. MEAN LEVEL DATUM OF 1929.
 2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
 3. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
 4. GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES GRADE POINTS FOR TOP OF CURBS, CENTER LINE OF STREETS, ON CENTER LINE OF ALLEYS AND SHOWN BY CIRCLES ON PROFILES. AT ALL POINTS BETWEEN DESIGNATED POINTS THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS.
 5. THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "C" OR "D" BRANCHES AND SHALL PROVIDE STAKES FOR THE SAME AT THEIR PROPER LOCATIONS WITH TYPING PLANS MARKED ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT RIGHT ANGLES FROM THE MAIN LINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CHIMNEYS SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
 6. THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.
 7. BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN CITY OF INDUSTRY STREETS FROM THE OFFICE OF THE COUNTY ENGINEER AND FROM THE SANITATION DISTRICTS. A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, LOS ANGELES, CA 90098, TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
 8. IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 128 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
 9. APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR OF THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE, OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PAGES.
 10. REFER TO SECTION 7.10.4.1 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY ORDERS.
 11. PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE COUNTY ENGINEER COMPLETION OF A PERMIT TO EXCAVATE IN CITY OF INDUSTRY STREETS FROM THE OFFICE OF THE CITY ENGINEER, A PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF COUNTY ENGINEER, 880 SOUTH VERMONT, RM. 408, LOS ANGELES, CALIFORNIA 90005, MARKED AS THE CERTIFICATE HOLDER TO BE NOTIFIED BY DATE PRIOR TO CANCELLATION OF POLICY.

- CONSTRUCTION NOTES:**
1. WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1980 EDITION) WITH SUPPLEMENTS AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED 7/27/81, 8/11/81, AND SHALL BE PRODUCE ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
 2. THE CONTRACTOR SHALL NOTIFY THE ENVIRONMENTAL DEVELOPMENT DIVISION BY TELEPHONE, 728-2146, AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
 3. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED.
 4. WYE OR THE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
 5. ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER 8-38, OR PRECAST CONCRETE MANHOLES PER 8-38, EXCEPT AS NOTED.
 6. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
 7. MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE 30 INCHES ABOVE FINISHED GRADE.
 8. WITNERED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "B" PER STANDARD SPECIFICATIONS SECTION 308-2.
 9. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER 8-38, CASE 8, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
 10. IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MAIN LINE OR HOUSE LATERAL SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 8-38, CASE 8 UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
 11. ALL JOINTS BETWEEN CAST IRON PIPE AND WITNERED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D", (WITH RUBBER IF NECESSARY) PER STANDARD SPECIFICATIONS, SECTION 308-2.
 12. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 308-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
 13. RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
 14. FULL COMPLIANCE WITH SECTION 308-1.3.3 OF THE SPECIAL PROVISIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENTS BY A QUALIFIED, REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
 15. SPECIAL BACKFILL OR EMBANKMENT CONSTRUCTION: (A) BACKFILL, TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADING PLAN APPROVED FOR THIS DEVELOPMENT BY THE BUILDING AND SAFETY DIVISION; (B) ALL BACKFILL AND EARTH REPLACED SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. STD. METHOD OF TEST D955-87 AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE ENVIRONMENTAL DEVELOPMENT DIVISION.



NO L.A. COUNTY CHARGE FOR CONNECTIONS
SPE. SAN. DIST. FOR SPECIAL CONNECTION CHARGES

50304



91001 3P

90131 ON PAM J3P3PAP

